



1FW  
PATENT

Attorney's Docket No. JJK-0335

## INFORMATION DISCLOSURE STATEMENT TRANSMITTAL FORM

In re application of: Zhaozhong Jiang, et al.  
Serial No: 10/678,434  
Filed: October 3, 2003  
For: **LUBE HYDROISOMERIZATION SYSTEM**

Examiner: Unknown

Group Art Unit: 1764

The Honorable Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Transmitted herewith is an Information Disclosure Statement, PTO 1449 form, and copies of cited references, if applicable.

This Information Disclosure Statement is submitted in accordance with the requirements of 37 CFR 1.56, 1.97 and 1.98, before the mailing date of the First Office Action. No fee is due.

5/26/2004  
Date

[Signature]  
Attorney  
Jeremy J. Kliebert  
Registration No. 48,227  
Tel. No (225) 977-1592

Post Office Address (to which correspondence is to be sent):  
ExxonMobil Research & Engineering Company  
P.O. Box 900  
Annandale, NJ 08801-0900

### CERTIFICATION OF MAILING (37 CFR 1.8 (a))

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date indicated below.

Judy Gould  
(Name of person mailing paper)

[Signature: Judy Gould]  
(Signature of person mailing paper)

5/27/04  
(Date)



"PATENT"

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF:

Zhaozhong Jiang, et al.

SERIAL NO.: 10/678,434

FILED: October 3, 2003

FOR: Lube Hydroisomerization  
System

§ EXAMINER: Unknown

§

§ GROUP ART UNIT: 1764

§

§ ATTY. DOCKET NO.: JJK-0335

§

§

§

§

Honorable Commissioner for Patents

P. O. Box 1450

Alexandria, Virginia 22313-1450

**INFORMATION DISCLOSURE STATEMENT**

Sir:

In accordance with Title 37, Sections 1.56, 1.97 and 1.98 of the Code of Federal Regulations, and pursuant to applicants' duty of candor and good faith toward the United States Patent and Trademark Office, the Examiner's attention is drawn to the art indicated on the attached PTO-1449 form.

This Information Disclosure Statement is being filed under:

- ☐ 37 CFR 1.97 (b) (1) within three months of the filing date of a national application other than a continued prosecution application.
- ☐ 37 CFR 1.97 (b) (2) within three months of the date of entry of the national stage in an international application.
- ☒ 37 CFR 1.97 (b) (3) before the mailing date of a first Office action on the merits.
- ☐ 37 CFR 1.97 (b) (4) before the mailing date of a first Office action after filing a Request for Continued Examination.
- ☐ 37 CFR 1.97 (c) before the mailing date of a final action or notice of allowance. This Information Disclosure Statement is accompanied by the appropriate statement under 37 CFR 1.97(e) and the fee set forth in 37 CFR 1.17 (p).
- ☐ 37 CFR 1.97 (d) prior to payment of the issue fee. This Information Disclosure Statement is accompanied by the appropriate statement under 37 CFR 1.97 (e) and the fee set forth in 37 CFR 1.17 (p).

Form PTO-1449 is attached to this paper listing documents submitted in the above-referenced case. It is respectfully requested that the Examiner consider these documents and return an initialed copy of each form to the attorney of record.

This disclosure statement should not be construed as a representation that a search has been made or that no other material information, as defined in 37 CFR § 1.56(a), exists.

The instant application was filed after June 30, 2003. In accordance with 1276 *Official Gazette* 55, Aug. 5, 2003, which waives the requirement under 37 CFR 1.98 (a) (2) (i) for submitting a copy of each cited U.S. patent and each U.S. patent application publication, applicants have not submitted copies of these documents. Copies of any cited foreign patent documents and/or non-patent literature are submitted herewith in accordance with 37 CFR 1.98 (a) (2).

We believe that this disclosure complies with the requirements of 37 CFR § 1.56, 1.97 and 1.98, and the Manual of Patent Examining Procedures § 609. If for any reason the Examiner finds that the disclosure or documents do not comply with these sections, notification is respectfully requested.

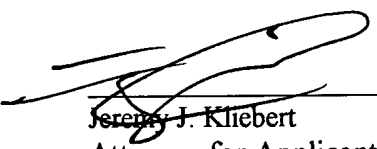
Applicants hereby notify the Examiner of the existence of applicants' co-pending U.S. patent application(s), which involve technology similar to this application:

10/678,693	10/678,689	10/678,690	10/678,680	10/678,684	10/678,433
10/678,435	10/266,369	10/678,457	10/678,469	10/678,547	10/678,468
10/266,341	10/266,342	10/266,391	10/652,391	10/266,368	10/266,344
10/652,390					

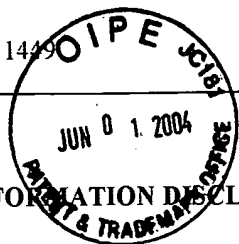
If there are any matters or issues outstanding, the Examiner is encouraged to contact the attorney of record at the telephone number listed below.

Respectfully submitted:

Date: 5/20/2004

  
Jeremy J. Kliebert  
Attorney for Applicants  
Registration No. 48,227  
Telephone: (225) 977-1592  
Facsimile: 225-977-1025

Post Office Address (to which correspondence is to be sent):  
ExxonMobil Research & Engineering Company  
P. O. Box 900  
Annandale, New Jersey 08801-0900



## INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

ATTY. DOCKET NO.

JJK-0335

SERIAL NO.

10/678,434

APPLICANT

Zhaozhong Jiang, et al.

FILING DATE

October 3, 2003

GROUP

1764

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	2,250,410	7/22/41	Van Peski	260	676	
	AB	3,711,399	1/16/73	Estes	208	112	
	AC	4,097,364	6/27/78	Egan	208	111	
	AD	4,181,597	1/1/80	Yan et al.	208	46	
	AE	4,335,019	6/15/82	Bowes et al.	252	450	
	AF	4,377,469	3/22/83	Shihabi	208	111	
	AG	4,388,177	6/14/83	Bowes et al.	208	111	
	AH	4,402,866	9/6/83	Shihabi	252	455	
	AI	4,431,516	2/14/84	Baird et al.	208	111	
	AJ	4,431,517	2/14/84	Nevitt et al.	208	111	

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	PUBL. DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
✓	AK	EP 0147873	09/03/88	Europe	C 07	C1/04		
✓	AL	EP 0635557	25/01/95	Europe	C10G	65/00		
✓	AM	EP 0707057	17/04/96	Europe	C10G	45/58		
✓	AN	EP 0909304	26/09/01	Europe	C10G	65/08		
2✓	AO	FR 2805542 ✓	31/08/01	France	C10G	69/02		

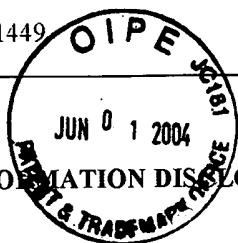
## OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages of Publication, Etc.)

	AP	
	AQ	

EXAMINER

DATE CONSIDERED

\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next comment to applicant



## INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

ATTY. DOCKET NO.

JJK-0335

SERIAL NO.

10/678,434

APPLICANT

Zhaozhong Jiang, et al.

FILING DATE

October 3, 2003

GROUP

1764

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	4,431,519	2/14/84	LaPierre et al.	208	111	
	AB	4,431,527	2/14/84	Miller et al.	208	254	
	AC	4,436,614	3/13/84	Olbrich et al.	208	89	
	AD	4,460,698	7/17/84	Hensley, Jr. et al.	502	66	
	AE	4,483,764	11/20/84	Hensley, Jr. et al.	208	111	
	AF	4,510,045	4/9/85	Dessau	208	111	
	AG	4,568,449	2/4/86	Angmorter et al.	208	215	
	AH	4,594,146	6/10/86	Chester et al.	208	111	
	AI	4,684,756	8/4/87	Derr, Jr. et al.	585	330	
	AJ	4,784,747	11/15/88	Shihabi	208	111	

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	PUBL. DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
✓	AK	FR 2805543	24/02/00	France	C10G	69/02	Abstract	
✓	AL	GB 2311789	08/10/97	United Kingdom	C10G	65/12		
✓	AM	GB 2109402	02/06/83	United Kingdom	C10G	45/64		
✓	AN	GB 1582789	14/01/81	United Kingdom	C10G	45/64		
✓	AO	GB 772478	17/04/57	United Kingdom	C07c			

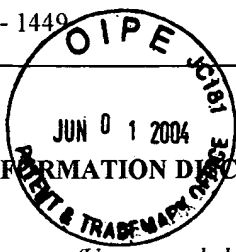
## OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages of Publication, Etc.)

	AP	
	AQ	

EXAMINER

DATE CONSIDERED

\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line though citation if not in conformance and not considered. Include copy of this form with next comment to applicant



## INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

ATTY. DOCKET NO.

JK-0335

SERIAL NO.

10/678,434

APPLICANT

Zhaozhong Jiang, et al.

FILING DATE

October 3, 2003

GROUP

1764

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	4,919,788	4/24/90	Chen et al.	208	59	
	AB	4,975,177	12/4/90	Garwood et al.	208	27	
	AC	5,017,535	5/21/91	Schoonhoven et al.	502	30	
	AD	5,037,528	8/6/91	Garwood et al.	208	27	
	AE	5,059,299	10/22/91	Cody et al.	208	27	
	AF	5,075,269	12/24/91	Degnan et al.	502	77	
	AG	5,146,022	9/8/92	Buchanan et al.	585	12	
	AH	5,208,403	5/4/93	Buchanan et al.	585	7	
	AI	5,232,579	8/3/93	Absil et al.	208	113	
	AJ	5,275,719	1/4/94	Baker, Jr. et al.	208	58	

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	PUBL. DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
✓	AK	SU 1696391	07/12/91	USSR	C10G	47/20	Abstract	
✓	AL	WO 01/64339	07/09/01	France	C10G	45/64	Abstract	
✓	AM	EP 0776959	04/06/97	Europe	C10G	65/04		
✓	AN	WO 97/18278	22/05/97	USA	C10G	47/00		
	AO							

## OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages of Publication, Etc.)

	AP	
	AQ	

EXAMINER

DATE CONSIDERED

\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line though citation if not in conformance and not considered. Include copy of this form with next comment to applicant

<b>INFORMATION DISCLOSURE STATEMENT</b>  <i>(Use several sheets if necessary)</i>				ATTY. DOCKET NO. JJK-0335		SERIAL NO. 10/678,434	
				APPLICANT Zhaozhong Jiang, et al.			
				FILING DATE October 3, 2003		GROUP 1764	
U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	5,276,229	1/4/94	Buchanan et al.	585	255	
	AB	5,288,395	2/22/94	Marler et al.	208	58	
	AC	5,358,628	10/25/94	Apelian et al.	208	60	
	AD	5,498,821	3/12/96	Ryan et al.	585	750	
	AE	5,516,736	5/14/96	Chang et al.	502	64	
	AF	5,643,440	7/1/97	Borghard et al.	208	58	
	AG	5,689,031	11/18/97	Berlowitz et al.	585	734	
	AH	5,730,858	3/24/98	Olivier et al.	208	28	
	AI	5,911,874	6/15/99	Cody et al.	208	87	
	AJ	5,935,417	8/10/99	Cody et al.	208	87	
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	PUBL. DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES   NO
✓	AK	WO 99/20720	29/04/99	USA	C10M	143/08	
✓	AL	WO 01/07538	01/02/01	Netherlands	C10G	45/64	
✓	AM	WO 01/18156	15/03/01	France	C10M	101/02	Abstract
✓	AN	WO 01/64339	07/09/01	France	B01J	29/74	Abstract
✓	AO	WO 02/88279	07/11/02	USA	C10G	73/38	
OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages of Publication, Etc.)							
	AP						
	AQ						
EXAMINER				DATE CONSIDERED			
*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line though citation if not in conformance and not considered. Include copy of this form with next comment to applicant							

<b>INFORMATION DISCLOSURE STATEMENT</b>  <i>(Use several sheets if necessary)</i>				ATTY. DOCKET NO. JJK-0335		SERIAL NO. 10/678,434	
				APPLICANT Zhaozhong Jiang, et al.			
				FILING DATE October 3, 2003		GROUP 1764	
U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	5,993,644	11/30/99	Xiao et al.	208	89	
	AB	6,013,171	1/11/00	Cook et al.	208	27	
	AC	6,051,129	4/18/00	Harris et al.	208	138	
	AD	6,080,301	6/27/00	Berlowitz et al.	208	18	
	AE	6,090,989	7/18/00	Trewella et al.	585	13	
	AF	6,096,189	8/1/00	Cody et al.	208	87	
	AG	6,179,994	1/30/01	Clark et al.	208	27	
	AH	6,190,532	2/20/01	Degnan et al.	208	27	
	AI	6,231,749	5/15/01	Degnan et al.	208	27	
	AJ	6,264,826	7/24/01	Xiao et al.	208	18	
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	PUBL. DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION <div style="display: flex; justify-content: space-between; font-size: small;"> <div>YES</div> <div>NO</div> </div>
✓	AK	WO 02/99014	12/12/02	Netherlands	C10G	65/04	
✓	AL	WO 02/48291	20/06/02	USA	C10G	67/04	
	AM						
	AN						
	AO						
OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages of Publication, Etc.)							
	AP						
	AQ						
EXAMINER				DATE CONSIDERED			
<b>*EXAMINER:</b> Initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next comment to applicant							



<b>INFORMATION DISCLOSURE STATEMENT</b>  <i>(Use several sheets if necessary)</i>				ATTY. DOCKET NO. JKK-0335		SERIAL NO. 10/678,434	
				APPLICANT Zhaozhong Jiang, et al.			
				FILING DATE October 3, 2003		GROUP 1764	
U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	6,294,077	9/25/01	Dougherty et al.	208	27	
	AB	6,310,265	10/30/01	Chester et al.	585	739	
	AC	6,322,692	11/27/01	Cody et al.	208	18	
	AD	6,337,010	1/8/02	Hofer	208	58	
	AE						
	AF	2001/0004972	6/28/01	Miller et al.	208	18	
	AG	2001/0006154	7/5/01	Krug et al.	208	18	
	AH	2002/0003102	1/10/02	O'Rear et al.	208	18	
	AI	2003/0168379	9/11/02	Degnan et al.	208	27	
	AJ						
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	PUBL. DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION <div style="display: flex; justify-content: space-between; font-size: small;"> <div>YES</div> <div>NO</div> </div>
	AK						
	AL						
	AM						
	AN						
	AO						
OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages of Publication, Etc.)							
	AP						
	AQ						
EXAMINER				DATE CONSIDERED			
<b>*EXAMINER:</b> Initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line though citation if not in conformance and not considered. Include copy of this form with next comment to applicant							

<b>INFORMATION DISCLOSURE STATEMENT</b>  <i>(Use several sheets if necessary)</i>				ATTY. DOCKET NO. JJK-0335		SERIAL NO. 10/678,434	
				APPLICANT Zhaozhong Jiang, et al.			
				FILING DATE October 3, 2003		GROUP 1764	
U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	4,599,162	7/8/86	Yen	208	59	
	AB	4,601,993	7/22/86	Chu et al.	502	66	
	AC	4,636,299	1/13/87	Unmuth et al.	208	87	
	AD	4,810,357	3/7/89	Chester et al.	208	78	
	AE	5,246,566	9/21/93	Miller	208	27	
	AF	5,951,848	9/14/99	Baker, Jr. et al.	208	28	
	AG	6,136,181	10/24/00	Ziemer	208	144	
	AH	6,420,618	7/16/02	Berlowitz et al.	585	310	
	AI	6,663,768	12/16/03	Miller	208	27	
	AJ						
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	PUBL. DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES   NO
	AK						
	AL						
	AM						
	AN						
	AO						
OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages of Publication, Etc.)							
	AP						
	AQ						
EXAMINER				DATE CONSIDERED			
<b>*EXAMINER:</b> Initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line though citation if not in conformance and not considered. Include copy of this form with next comment to applicant							